

MAJESTY 88

TECHNICAL SPECIFICATIONS

Please note this is the technical specifications of Majesty 88. The right is reserved to add, modify or delete during the final product development programme.

MAJESTY YACHTS

by 

Principal characteristics

Length overall	88 ft (26.94 m)
Length water line	75 ft (22.85 m)
Beam	21 ft (6.40 m)
Draft	4 ft 1in (1.25 m)
Displacement	70 t approximately
Fuel capacity	2,920 US gal (11,053.4 l)
Fresh water capacity	500 US gal (1,892.70 l)
Black water capacity	100 US gal (378.54 l)
Grey water capacity	100 US gal (378.54 l)
Generators	2 x 42.7 kW, 50Hz
Engines	2 x 1,825 hp
Vessel type	FRP luxury motor yacht

Specifications Overview

- Power assisted electro hydraulic steering system
- Bow thruster 20 hp, 48 VDC
- 24 VDC and 380/220 VDC electrical system
- 3-phase shore power dockside connection (100 A) with 25 m length cable and cable master system
- 2 x Generators 380/220 VAC, 42.7 kW, 50 Hz
- Anchor 80 kg with chain 12 mm diameter, 100m length
- Electric windlass with dual station controls
- Dual station electric Trim tabs controls with gauges
- Dual station autopilot
- Dual station VHF radio
- Dual stations forward and aft search light controls
- Full height refrigerator in galley
- Flybridge electric barbeque
- Flybridge wet bar including sink
- Flybridge refrigerator
- Electric quiet flush toilets
- Entertainment system at saloon and owner's cabin
- Fresh water deck wash at swim platform and forward area
- Hot and cold water transom shower
- AISI 316L stainless steel stanchions and hand railings
- Full length transom platform with tender storage facilities
- Stainless steel framed saloon door
- Stainless steel transom doors with signage 88
- 4 x stainless steel mooring cleats at two on aft cockpit and two on forward
- 6 x hawser pipes at two on aft cockpit, two on mid ship and two on forward
- 2 x propellers, 5-bladed, AB2 material
- 2 x stainless steel tail shafts
- Pressurized hot and cold water system
- 220 VAC and 24 VDC fresh water pumps
- Water maker capacity 140lts/h, 220 V – 240 V, 50 z
- Chilled water air conditioning system with capacity 240000 Btu
- 2 x electric water heaters (each capacity 67 l)

- Extractor fan in engine room
- Hydraulic swim ladder
- Teak laid deck on cockpit and transom platform
- Teak decking on flybridge (optional)
- Fire detection system in all cabins
- Fixed fire extinguishing system in engine room
- Stainless steel framed port holes with clear safety glass
- Fly-bridge upholstered sofa seats, table and sun bed
- Stern thruster 15 hp (optional)
- Camera monitoring system (optional)
- Crane 650 kg capacity (optional)
- Port and Starboard side capstans at rear deck (optional)
- Under water lights (optional)
- Teak decking at gunnel area and fly bridge (optional)
- Marble flooring and counter top in kitchen, bath rooms and bar area (optional)
- Stabilizing system (optional)

Hull and superstructure construction

- Hull : Sandwich
- Frames : Closed Cell Foam
- Outer Skin & Inner Skin : Solid Glass
- Superstructure Outside : Sandwich
- Resin : Isopathalic polyester resin
- Hand laid-up unidirectional fiberglass with balsa fill cored hull, deck and flybridge
- Solid fiberglass laminate keel and chines
- Foam core reinforced stringer system
- Vacuum infusion divinycell foam sheet main bulkheads
- Basic hull color: white

Deck fittings

- Stainless steel bow roller for anchor launch and retrieve
- Electric anchor winch with fore deck, main helm and fly bridge controls
- Anchor 80kg with chain 12 mm diameters, 100m length
- Side pantograph door on port side
- Deck hatch access to chain locker
- Stainless steel hand rails
- Foredeck hatch to VIP cabin

- Full set of navigation lights
- Forward search light with dual station controls
- Double trumpet electric horns
- Black tank over board discharge on side deck
- Fuel and water fillers on side deck
- Sun bed recess at forward area
- 4 x mooring cleats, two on forward and two on aft cockpit
- Stainless steel guard rails
- Tinted side windows
- Full drop pilot side windows (port and starboard side)
- Front wind screen
- Wind screen wipers with fresh water wash system
- 6 x hawser pipes ,two on aft ,two on cockpit and two on mid ship
- Storage locker for fender storage and bow rope
- LED lighting around side deck
- Fresh water deck wash with outlets at forward and aft
- Upholstered sofa seat and table at forward area

Aft cockpit

- Fixed teak table with stainless steel pedestals
- Upholstered sofa seats
- Storage within aft seat moulding
- Architectural lighting
- Stainless steel handrails
- Integral stairway to flybridge
- Lockable water tight entrance door to crew cabin
- S.S transom doors with signage 88
- Steps down to bathing platform
- Hydraulic swim ladder
- Hot and cold water transom shower and deck wash
- 380/220 VAC, 3-phase, 50 Hz shore power inlet cable and cable storage with cable master system
- Locker with fire dampers pull cable, engine room fire cylinder pull cable, fuel shutoff valve pull cable and emergency switch
- Locker with house, machinery, house & port engine interconnection, house & machinery interconnection isolation switches
- Locker with fire hydrant valve with fire hose reel and nozzle
- LED lighting for flybridge staircase steps.

- Teak decking on swim platform and aft cockpit
- Stainless steel framed sliding door to main saloon
- Stainless steel supports to fly bridge
- Self draining

Flybridge

- Fully fitted wet bar with sink
- Electric Barbeque
- Refrigerator
- Stairway from aft cockpit
- Upholstered helm seat and co- pilot seat
- Upholstered sofa seats and corian counter top table
- Wind deflector screen
- Stainless steel handrails
- FRP radar arch
- Stainless steel mast stand
- Sun top with canvas
- Storage under the sofa seats
- Self draining
- S.S Life rings stand
- LED lighting
- Lighting on underside of radar arch
- Sun pad
- Life rafts 8 persons
- Jacuzzi
- Deck hatch access to main saloon

Flybridge helm

- Flybridge helm position instruments and controls
 - Steering wheel
 - Port and Starboard engines displays
 - Trim tab gauge
 - Rudder angle gauge
 - Anchor winch switch
 - Search light switch
 - Trim tab switches

- Bow thruster control switch
- Stern thruster control switch (optional)
- Navigation display
- Port and starboard engines diagnostic, shutdown and ignition
- Engine throttle
- Auto pilot display
- VHF hand set
- Magnetic compass
- Wind display

Main helm position

- Main helm position instruments and controls
 - Steering wheel
 - Engine room exhaust fan control switch
 - Bilge alarm switch panel
 - Navigation display
 - Port and Starboard engine display
 - Trim tab gauge
 - Wind display
 - Magnetic Compass
 - Rudder angle gauge
 - HMI Alarm system
 - Sliding window control switch
 - Wind shield wiper controls
 - Bow thruster control switch
 - Stern thruster control switch (optional)
 - Auto pilot control head unit
 - Engine throttle
 - Port and Starboard engine warning, diagnostic, shutdown controls
 - Trim tab switch
 - Anchor winch switch
 - Bilge pump switches
 - Navigation switches of horn, anchor light, navigation light, pilot house light, gauge light
 - Search light switches
 - Search light selector switches
 - Port and starboard side chillers control switch

- Pilot house A/C unit control switch
- Hydraulic steering switch panel
- VHF Radio
- Fire alarm panel
- A/C Chillers control switches

Engine room equipments

- 2 x main engines
- 2 x generators
- Under water exhaust system with bypass to transom
- Air conditioning chillers on port and starboard side
- Chillers control boxes
- Fixed fire extinguishers system
- Exhaust fan drive unit
- Intakes for air circulation
- Electric and manual oil exchange system for engines /generators
- Flexible mountings for engines
- Ventilation openings are equipped with fire flaps
- Fluorescent lights
- Seawater cooling system for generators and engines
- Temperature sensors on exhausts
- Fresh water out lets
- 220 VAC power outlets
- Stainless steel guard railings
- Lockable water/gas tight door
- Smoke detector and heat detector
- Galvanic isolator
- Ceiling, sides and bulkheads of engine room are completely insulated with sound proofing and heat insulated materials

Electrical system

- Electrical system of the boat is 3-phase, 380/220 VAC, 50Hz
- Main power supplied by two generators.
 - 2 x generator 42.7 kW, 50Hz, 380/220 VAC
- 3-phase dockside connection (100A) with 25m cable and cable master system
- Battery isolation switches

- 2 x 12 V, 200 Ah batteries for port side engine and generator
- 2 x 12 V, 200 Ah batteries for starboard side engine and generator
- 4 x 12 V, 200 Ah batteries for house
- 2 x 12 V, 200 Ah batteries for machinery
- 4 x 12 V, 200 Ah batteries for bow thruster
- Port and Starboard engines batteries interconnections panel and isolation switches located in the engine room
- Port and Starboard generators interconnection panel and isolation switches located in the engine room
- Batteries are charged by three battery chargers
 - 100 A, 24 V battery charger for service and machinery batteries
 - 80 A, 24 V battery charger for main engines batteries
 - 30 A, 24 V battery charger for bow thruster batteries
- Main switch board system equipped with magnetic contactors, overload protections and short circuit protections
- Outgoing circuits protected by circuit breakers
- Main panels are placed in engine room
 - 380/220 VAC Main distribution panel
 - 380/220 VAC Sub distribution panel
 - 24 VDC distribution panel
- Secondary distribution panels are located at:
 - Upper deck 220 VAC and 24 VDC panels (fly-bridge stair case)
 - 24 VDC Navigation panel (main console area)
 - Lower deck 220 VAC and 24 VDC panels (passage)
- Tank sentry monitoring panels
 - Fuel tanks
 - Fresh water tank
 - Black water tank
 - Grey water tank
- Tank senders for all tanks
- 220Vac Power outlets in all cabins

Entertainment system

Main saloon:

- 40" LED TV
- DVD home theater system
- Satellite receiver

Owner's cabin:

- 32" LED TV
- DVD home theater system
- Satellite receiver

Aft cockpit:

- 2 x speakers linked with saloon entertainment system

Flybridge:

- 2 x speakers linked with saloon entertainment system

VIP cabin: (optional)

- LED TV
- DVD player
- Satellite receiver

Port guest cabin: (optional)

- LED TV
- DVD player
- Satellite receiver

Starboard guest cabin: (optional)

- LED TV
- DVD player
- Satellite receiver

Captain cabin: (optional)

- LED TV
- DVD player
- Satellite receiver

Power and drive system

- Power assisted electro hydraulic steering system
- Direct shaft drive through tunnel
- Bow thruster 20hp with dual station controls
- Stern thruster 15hp with dual stations controls (optional)
- 2 x Propellers, 5-bladed, AB2 material
- 2 x Bronze P-brackets
- 2 x Bronze Rudders
- 2 x Hydraulic trim tabs

- 2 x Stainless steel shafts
- 2 x Seawater strainers for main engines
- Cathodic protection provided by cross bonded zinc anodes

Fire extinguishing system

- Fixed fire extinguisher in engine room connected with pull cable to aft cockpit port side
- Fire alarm with central alarm in wheel house, engine room and sensors in all cabins
- Hand operated portable fire extinguishers installed for immediate use in all cabins
 - Owner's cabin
 - VIP cabin
 - Port side twin guest cabin
 - Starboard side twin guest cabin
 - Main console
 - Bar counter
 - Galley
 - Crew cabin
 - Captain cabin
 - Engine room
 - Rudder compartment
 - Flybridge
 - Aft cockpit
- Fire line manifold system located in rudder compartment
- Mechanical pump with bypass valves for fire and bilge purpose
- Fresh water line is connected to manifold for priming and cleaning
- Fire hydrant valves with hose reel and nozzle at:
 - Lower deck (Corridor)
 - Aft cockpit
 - Galley
- Fuel lines are made of CuNiFer/Stainless steel pipes

Bilge system

- Bilge water high level alarm system
- Electric bilge pumps (2000 GPH) with float switches fitted at each water tight compartment located beneath the following area:
 - VIP cabin

- Corridor mid
- Corridor aft
- Owner's cabin
- 3 x Engine room
- Crew cabin
- Rudder compartment
- Bilge suction lines are connected to manual bilge pump and mechanical pump with bypass valves for suction of the bilge water from engine room and rudder compartment

Fuel system

- Fuel capacity 2920 US gal (11053.4 l)
 - Port side fuel tank capacity 1310 US gal (4958.88 l)
 - Star board side fuel tank capacity 1310 US gal (4958.88 l)
 - Fuel day tank 300 US gal (1135.624 l)
- Integrated FRP fuel tanks in engine room
- Port and Star board side fuel tanks interconnection with fuel day tank
- Fuel fillers on port and starboard side decks
- Manual fuel shutoff valve, pull-out pin cable fitted at aft cockpit
- Fuel filters for engines/generators
- All fuel tanks provided with manhole covers, ventilation pipes and connection pipes to manifold
- Isolation valves to fuel manifold
- Interconnection fuel lines are made of stainless steel
- Electric tank senders for all fuel tanks
- Manual and electric pump lubricating oil change system for engines/gear boxes/generators

Fresh water system

- Water tank capacity 500 US gal (1892.70 l)
- Pressurized hot and cold water system
- 24 VDC Fresh water pump
- 220 VAC Fresh water pump
- 2 x water heaters (each capacity 67 l)
- Water heated by 220 VAC immersion heater for hot water
- Pump circuit breaker at main switch panel
- Water level monitoring panel fitted in engine room
- Water maker capacity 140 l/h for fresh water
- Water fillers on side deck
- Electric tank sender

- 26 mm Geberit Mepla piping throughout supplying all outlets
- 32 mm Geberit Mepla piping from tank to manifold
- Dock connection for shore water supply on aft swimming platform with pressure regulator

Black water and grey water system

- Black water tank capacity 100 US gal (378.54 l)
- Grey water tank capacity 100 US gal (378.54 l)
- Automatic/manual control system for black and grey water pumps
- Black and grey water pump works on 24 VDC
- Black and grey water tank level indication warning light located at monitoring panel in engine room
- Black water over board discharge on side deck
- Manifold system for black water system to discharge to the holding tank or direct to sea
- All plumbing lines are PVC and flexible hoses
- Electric tank sensors for tanks
- Electric Techma toilets

Air conditioning system

- Chilled water air conditioning system with capacity 2,40,000 Btu
- All compressors on 380 VAC, 3- phase
- All air handlers on 220VAC, Single phase
- All cabins air handlers are connected with chillers system
- 2 x chiller water pumps
- 2 x sea water pumps
- Air conditioning control switches in all cabins
- Plumbing lines are made PVC pipes
- Plumbing lines are well insulated

❖ Interior specifications

Main deck

Saloon

- Stainless steel framed sliding door to cockpit
- 2 x coffee tables
- Sofa side tables
- Sofa side storage locker

- Drawers
- Windows with curtains
- Curtains to main entrance door
- Storage under sofa seats
- Open shelves
- Stainless steel shelf railings
- TV table
- Stair case to fly bridge
- LED lighting to stairs
- Stainless steel stanchions at stair case
- Entrance door to galley
- Air conditioning with control switch
- Architectural lighting
- Lighting switches and AC sockets
- Fitted carpet and wood surround

Dining area

- Dining table
- 8 x Dining chairs
- Cabinet with glass storage
- Side windows with curtains
- Lockable water tight side pantograph door to side deck
- Architectural lighting
- Lighting switches and AC sockets
- Air conditioning with control switch
- Fitted carpet and wood surround

Bar area

- Counter top
- Stainless steel sink and tap with hot cold water supply
- Cabinets with doors and drawers
- Bottle and glass stowage
- Overhead storage lockers
- Storage lockers with shelves
- Refrigerator
- Ice maker

- Microwave oven
- Hob
- Architectural lighting
- Lighting switches and AC sockets
- Air conditioning with control switch
- Side windows with curtains
- Entrance door to day head toilet
- Marble flooring (optional)
- Stairs case to lower deck cabins
- Wooden hand railings at stair case
- LED lighting to steps

Day head toilet

- Vanity locker
- Wash basin and tap with hot and cold water supply
- Electric toilet
- Extractor fan
- Mirror
- Mirror side storage locker
- Complete set of sanitary accessories (soap holder, paper holder, glass holder, towel rail, toilet brush holder, sanitary jet)
- Full height beveled edge mirror to door
- Marble flooring (optional)
- Architectural lighting
- Lighting switches and AC sockets

Wheel house

- Chart table
- "U" Shaped sofa seat
- Air conditioning with control switch
- Pilot seat
- Teak flooring with wood boarder
- Windows with curtains
- Flag storage
- Access to technical area under the console

Lower deck

Passage

- Stair case from main deck
- Lower deck AC and DC distribution panels locker
- Steps to owner's room
- Fitted carpet
- Fire hydrant valve with hose reel and nozzle
- Entrance door to owner's cabin
- Entrance door to port side twin guest cabin
- Entrance door to starboard side guest cabin
- Entrance door to VIP cabin
- Architectural lighting
- Lighting switches and AC sockets

Owner's cabin

- Full beam cabin with triple vertical portholes each side (one opening)
- Large double bed with mattress, pillows and bedspread
- Drawers to bed
- Storage under the bed
- Bed side tables with shelves
- Mirror
- Sofa seat
- Storage under the sofa
- Desk and stool
- Refrigerator
- Portholes with curtains
- Air conditioning with control switch
- Rope lighting under the bed
- Reading lights
- Architectural lighting
- Lighting switches and AC sockets
- Fitted carpet
- Entrance door to ensuite
- Entrance door to dressing room

Owner's ensuite

- Vanity locker

- 2 x Wash basins and taps with hot and cold water supply
- Mirrors
- Storage lockers and drawers
- Mirror side storage locker with shelves
- Port hole with blinds
- Extractor fan
- Electric toilet
- Bidet
- Complete set of sanitary accessories (soap holder, paper holder, glass holder, towel rail, toilet brush holder, sanitary jet)
- Architectural lighting
- Lighting switches and AC sockets
- Marble flooring (optional)
- Glass doors to shower room
- Hot and cold water shower mixer
- Sky shower and body jets

Dressing room

- Drawers for storage
- Shelves
- Wardrobe
- Full height mirrors to wardrobe doors
- Port hole with curtain
- Architectural lighting
- Lighting switches and AC sockets

- Air conditioning with control switch
- Fitted carpet

Port side twin guest cabin

- 2 x Single beds with mattress, pillows and bedspreads
- Bed side table with drawers
- Storage under the bed
- Wardrobe
- Port hole with curtain
- Air conditioning with control switch

- Rope lighting under the beds
- Reading lights
- Architectural lighting
- Lighting switches and AC sockets
- Fitted carpet
- Entrance door to ensuite

Port side twin guest ensuite

- Vanity locker
- Wash basin and tap with hot and cold water supply
- Shelves
- Electric toilet
- Hot and cold water shower mixer
- Sky shower
- Extractor fan
- Glass door to shower room
- Porthole with blinds
- Complete set of sanitary accessories (soap holder, paper holder, glass holder, towel rail, toilet brush holder, sanitary jet)
- Full height beveled edge mirror to door
- Marble flooring (optional)
- Architectural lighting
- Lighting switches and AC sockets
- Sliding doors with mirror for port hole

Starboard side twin guest cabin

- 2 x Single beds with mattress, pillows and bedspreads
- Bed side table with drawers
- Wardrobe
- Port hole with curtain
- Air conditioning with control switch
- Storage under the bed
- Reading lights
- Rope lighting under the beds
- Architectural lighting

- Lighting switches and AC sockets
- Fitted carpet
- Entrance door to ensuite

Starboard side twin guest ensuite

- Vanity locker
- Wash basin and tap with hot and cold water supply
- Electric toilet
- Hot and cold water shower mixer
- Sky shower
- Extractor fan
- Glass door to shower room
- Porthole with blinds
- Complete set of sanitary accessories (soap holder, paper holder, glass holder, towel rail, toilet brush holder, sanitary jet)
- Full height beveled edge mirror to door
- Shelves
- Marble flooring (optional)
- Overhead rope lighting in shower room
- Architectural lighting
- Lighting switches and AC sockets
- Sliding doors with mirrors for port hole

VIP cabin

- Large double bed with mattress, pillows and bedspreads
- Bed side tables
- Drawer to bed
- Sofa seat
- Deck hatch with fly screen
- Port and Star board side wardrobe with shelves
- Desk and stool
- Portholes with curtains
- Storage space under the bed
- Reading lights
- Rope lighting under the bed
- Architectural lighting

- Lighting switches and AC sockets
- Air conditioning with control switch
- Fitted carpet
- Entrance door to ensuite

VIP ensuite

- Vanity locker
- Wash basin and tap with hot and cold water supply
- Electric toilet
- Hot and cold water shower mixer
- Sky shower
- Extractor fan
- Glass door to shower room
- Complete set of sanitary accessories (soap holder, paper holder, glass holder, towel rail, toilet brush holder, sanitary jet)
- Full height beveled edge mirror to door
- Shelves
- Marble flooring (optional)
- Overhead rope lighting in shower room
- Architectural lighting
- Lighting switches and AC sockets
- Sliding doors with mirrors for port hole
- Port hole with blinds

Galley

- Corian counter top
- Drawers
- Full height refrigerator
- 4 – Burner hot plate and hob rail
- Microwave oven
- Dish washer
- Hood
- Washing machine
- Oven
- Ice maker
- Cupboard with corian top
- Stairs to main saloon

- Air conditioning with control switch
- S.S sink and tap with hot and cold water supply
- Cabinets and overhead lockers
- Port hole with blinds
- Steps to swim platform
- Architectural lighting
- Lighting switches and AC sockets
- Teak flooring
- Fire blanket
- First aid kit
- Smoke detector
- Lockable water tight door leading to swim platform
- Lockable water/gas tight door to engine room.
- Entrance door to captain room.
- Entrance door to crew room.

Crew cabin

- 2 x Single bunk beds with mattress, pillows and bedspreads
- Storage space under the bed
- Port hole with curtains
- Entrance door to toilet
- Wardrobe
- Teak flooring
- Air conditioning with control switch
- Rope lighting under the bed
- Reading lights
- Architectural lighting
- Lighting switches and AC sockets

Captain cabin

- Single bed with mattress, pillows and bedspreads
- Storage space under the bed
- Wardrobe
- Entrance door to toilet
- Teak flooring
- Rope lighting under the bed
- Reading lights

- Architectural lighting
- Lighting switches and AC sockets
- Air conditioning with control switch

Crew/captain cabins ensuite

- Corian counter top
- S.S Sink and tap with hot and cold water supply
- Complete set of sanitary accessories (soap holder, paper holder, glass holder, towel rail, toilet brush holder, sanitary jet)
- Mirror
- Overhead rope lighting in shower room
- Architectural lighting
- Lighting switches and AC sockets
- Glass door to shower room
- Teak flooring
- Electric toilet
- Extractor fan
- Full height beveled edge mirror to doors

Miscellaneous

- 6 x Fenders
- First Aid kit
- Fire blanket
- Tool kit
- Mooring ropes Ø1" x 100feet
- 2 x Boat hooks
- 2 x Life rings
- 8 x Life jackets